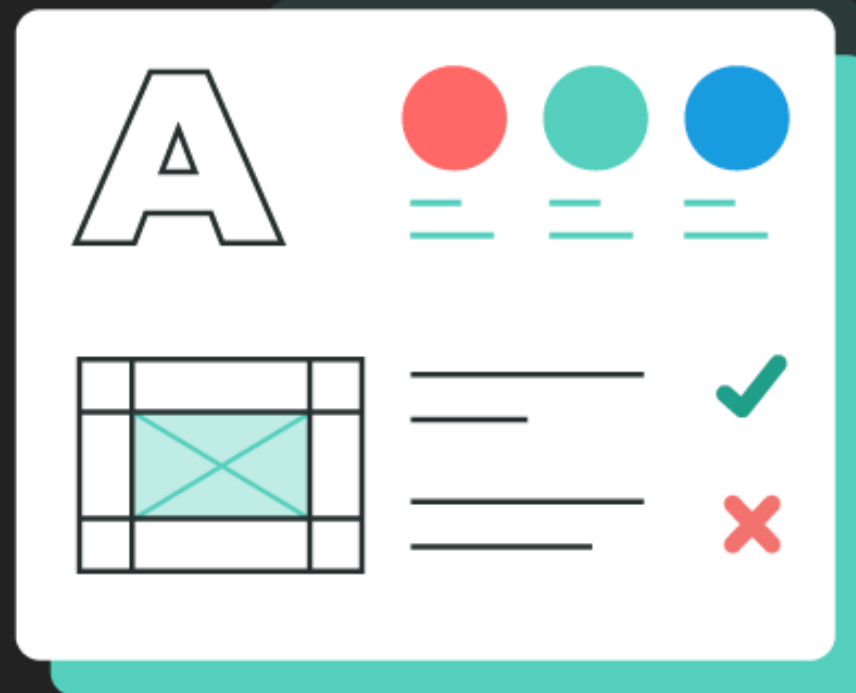


Generative AI Kata

2024

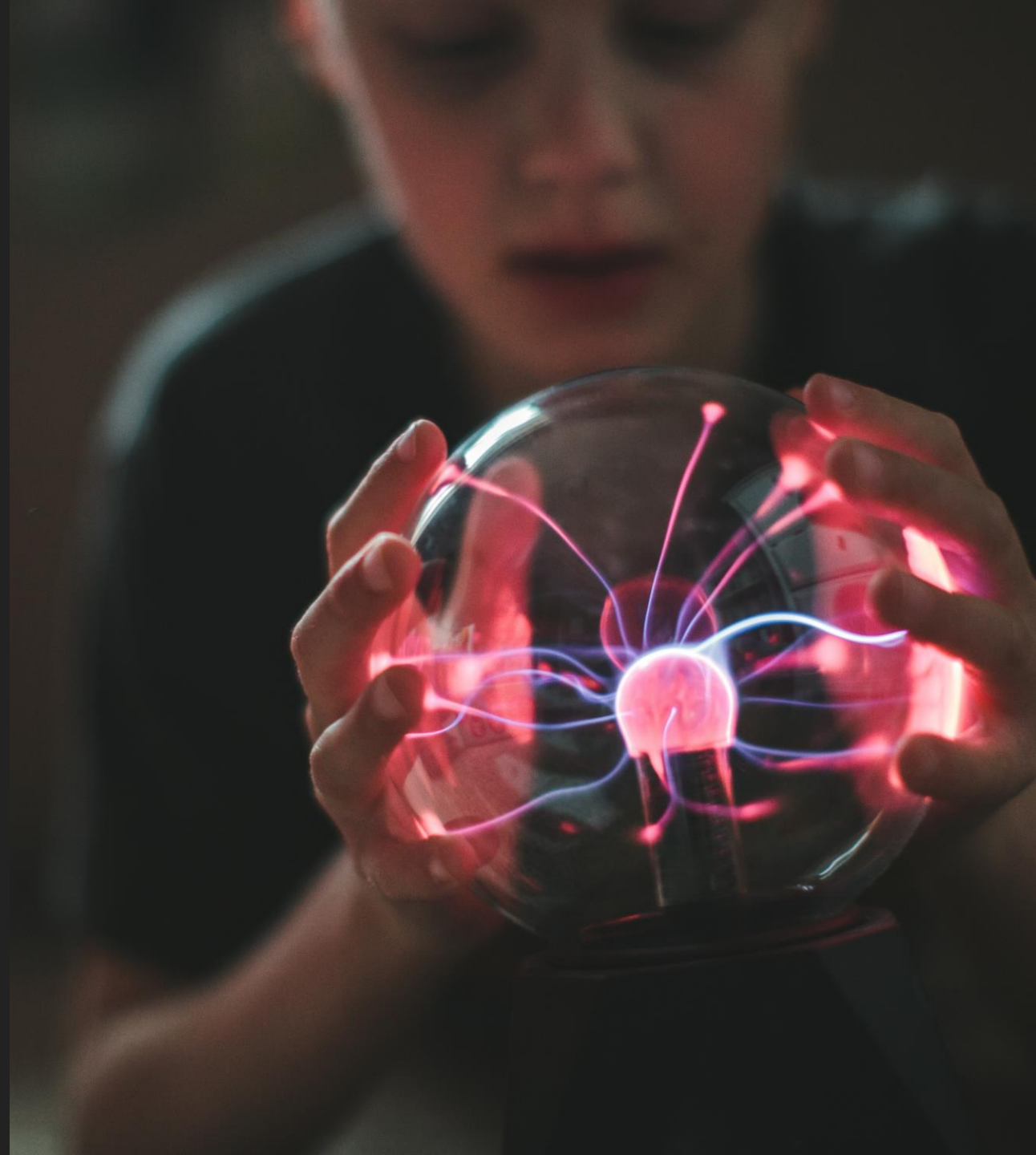


Approach to building the best Kata

- Understand the Problem!!
- Ask Questions to get clarifications. Ask relevant questions and listen to others' questions
- When in the breakout room, Brainstorm with the team
- Can use any tool (**complying with EPAM policies**)
- Not Expecting a Document

For your consideration:

- ✓ Prompt effectiveness
- ✓ Prompt technique applied
- ✓ Context
- ✓ Output expectations
- ✓ Test cases
- ✓ Less human intervention
- ✓ Design patterns
- ✓ Tech stack specific output
- ✓ Usage of guiding principles – SOLID, KISS, YAGNI
- ✓ Workable solution





Problem Statement

Objective

Create an AI-based recipe generator that suggests recipes based on available ingredients

Team

B08

Requirements

Allow users to input a list of available ingredients

Use a generative AI Model to generate recipe suggestions.

Create an application using Java, C#, or JavaScript

Display the generated recipes to the user

The application should also have a disclaimer about using AI-generated responses

The application should also consider ethnicity and calories as suggestions.

The ingredients and resulting recipe should not be harmful to humans

Create sequence diagram of any of your functionality using mermaid and DIAL. Mermaid: <https://mermaid.live/>, DIAL: [EPAM AI DIAL](#)

DIAL API KEY:88674f35a4024141b8d14c202d367f01

USAGE

```
import os
from openai import AzureOpenAI

KEY = <API_KEY>

client = AzureOpenAI(
    api_version="2023-08-01-preview",
    azure_endpoint="https://ai-proxy.lab.epam.com",
    api_key=KEY,
)

for deployment in ['gpt-4', 'Mixtral-8x7B-Instruct-v0.1', 'gpt-35-turbo-0613', 'amazon.titan-tg1-large']:
    print(deployment)
    response = client.chat.completions.create(
        model=deployment,
        temperature=0,
        messages=[
            {
                "role": "user",
                "content": "Write a Java program for prime number generation"
            }
        ],
    )
    print(response.choices[0].message.content.strip())
```